PACKAGING DEFECTS

Public Health Apprentice Course

Overview

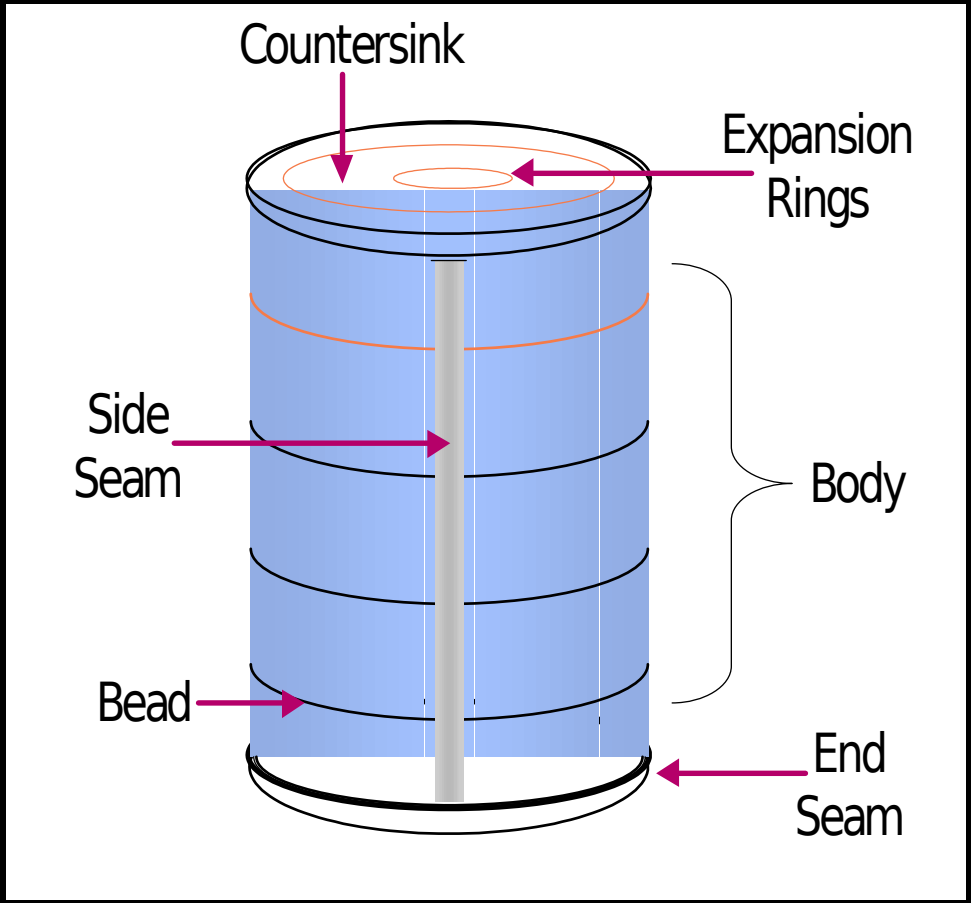
- Inspection Procedures (Guidance)
- Can Parts
- Defect Classifications
- Defects (External and Internal)

Inspection Procedures

National Food Processors Association “Guidelines for Evaluation and Disposition of Damaged Canned Food Containers”

- Inspection of Metal Container Exteriors
- Inspection of Glass Jar Exteriors
- Inspection of Retortable Flexible Pouch Exteriors

Parts is Parts...



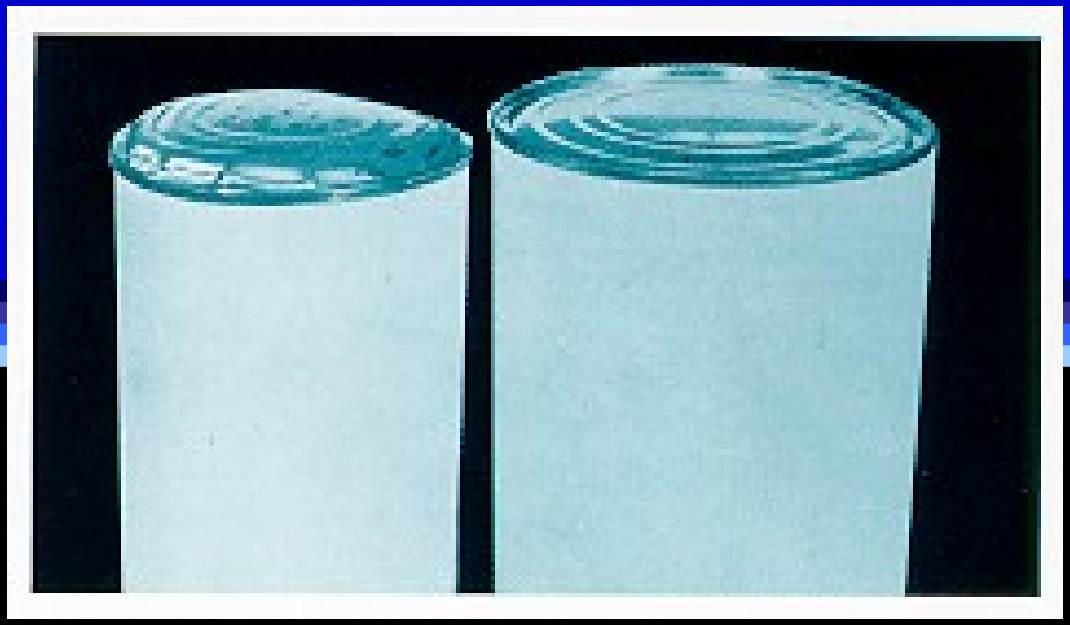
Defect Classifications

- Critical (Potential Public Health Hazard)
  - Evidence that the container has lost its hermetic seal (holes, fractures, punctures)
  - Evidence of microbial growth
- Major
  - No visible signs of a lost hermetic seal
  - Magnitude of defect may result in a loss of the hermetic seal
- Minor
  - No adverse effect on the hermetic seal

Defects…
to name a few

- External
  - Dents (Most common)
  - Buckles, Paneling
  - Swellers, Springers, Flippers
  - Pinholes
- Internal
  - Spangling
  - Etching
  - Detinning

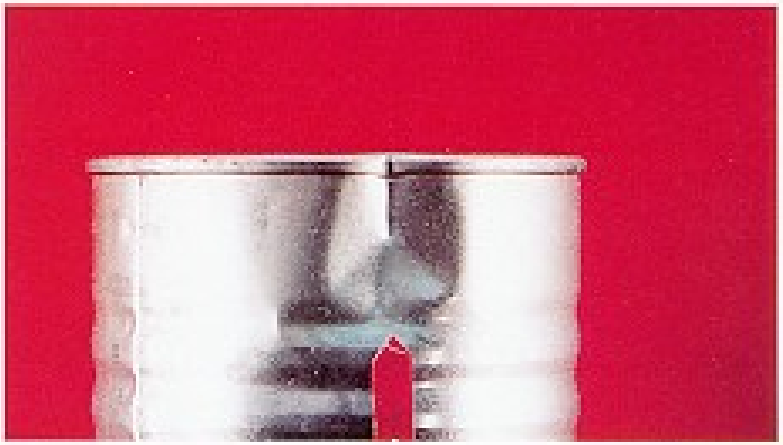
EXTERNAL



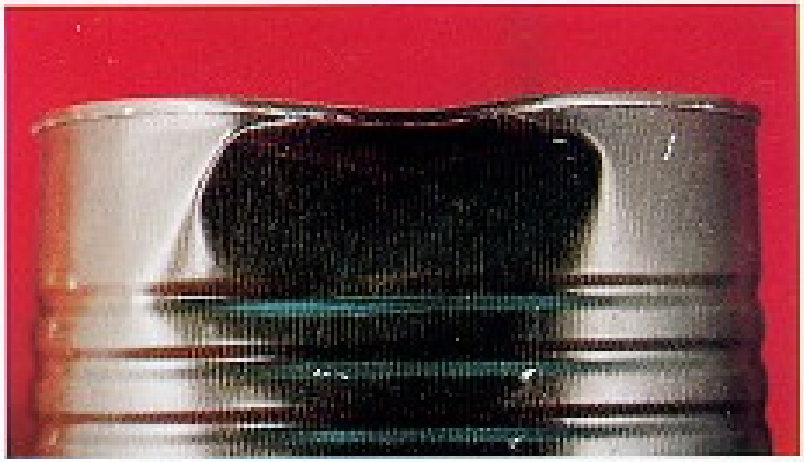
Swellers
?

Pinhole?

End Seam Dents?

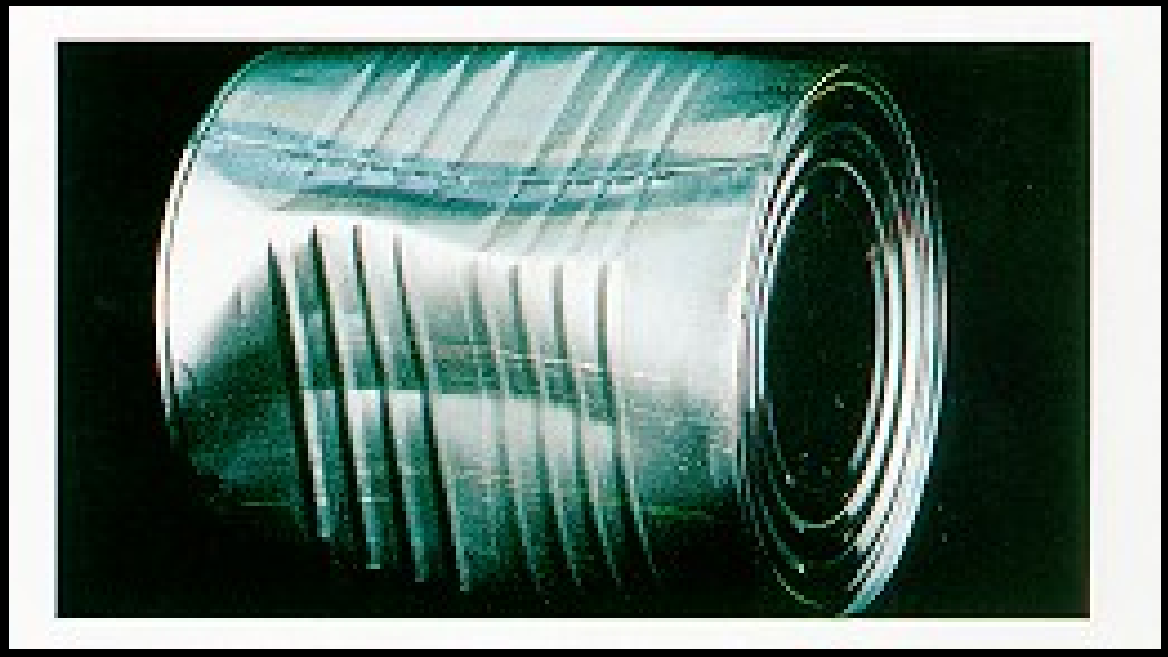


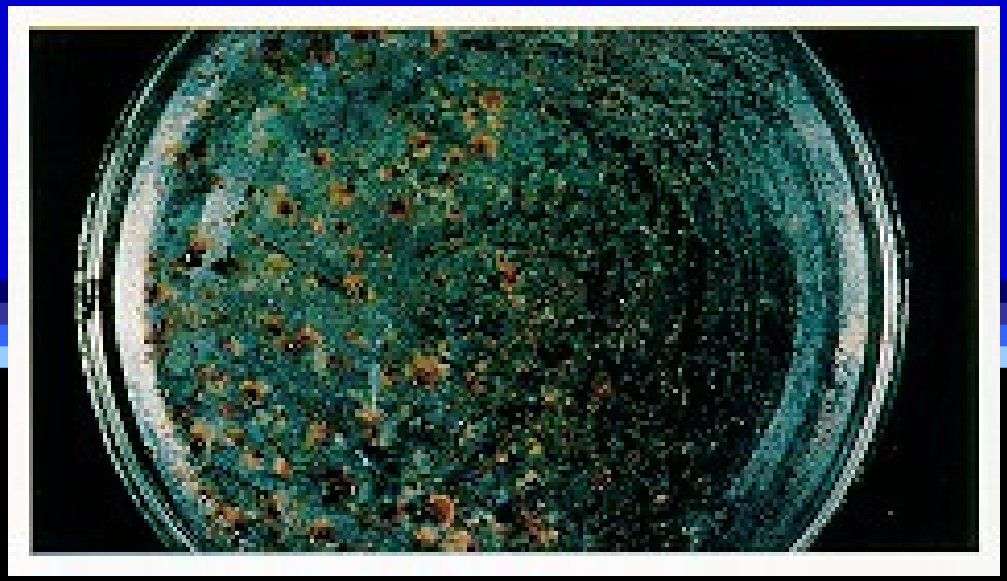
Body Blows...(Dents)?



Buckle?

Paneled ?



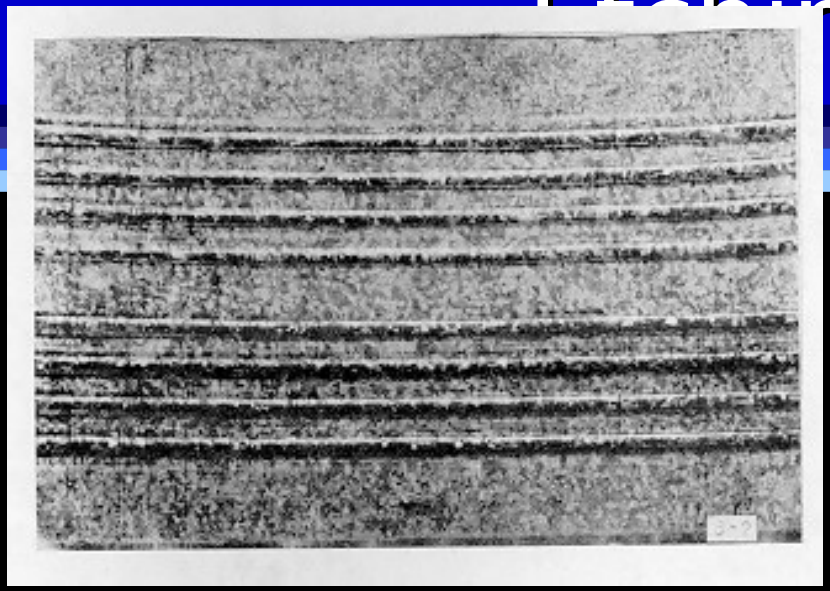


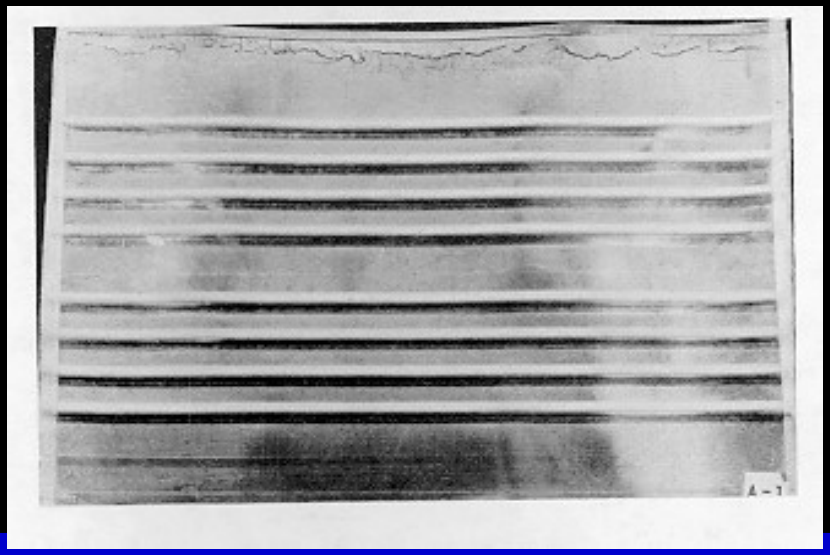
Rust?

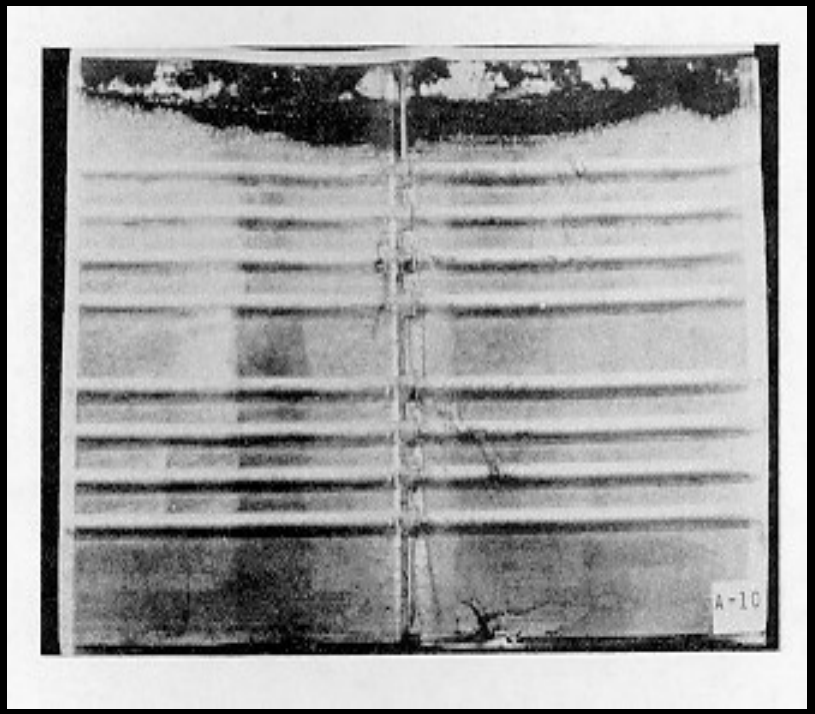
“Gunk”?

Spangling…Detinning…Etching

INTERNAL







Summary

- Inspection Procedures (Guidance)
  - Guidelines for Evaluation and Disposition of Damaged Canned Food Containers
- Can Parts -
- Defect Classifications - Critical, Major, Minor
- Defects (External and Internal)
  - **External:** Dents, Buckles, Paneling, Swellers, Springers, Flippers, Pinholes
  - **Internal:** Spangling, Etching, Detinning

Parts is Parts...